Proficient Application of Basic Skills at Grade-Level

4th GRADE
MAIN RANGEFINDER
3

Adequately Communicates Correct Problem-Solving Strategies

**Your teacher will read the entire test to you before you begin.
Do not use a calculator on this assessment.**

1. Bill's grandma gave him a collection of comic books. Bill counted 513 <u>Ratman</u> comics, 970 <u>Superdog</u> comics, 58 <u>T-Man</u> comics, and 1,042 <u>Bugboy</u> comics.

a. How many more <u>Superdog</u> comics does Bill have than <u>Ratman</u> comics? *Show or explain how you found your answer.*

Check
✓1
51 3
+ 457
970

9 8 10
- 5 1 3
457

Bill has 457 more Superdog comics

b. How many comic books did Bill's grandma give him altogether? *Show or explain how you found your answer.*

1 1
1,513 ratman
1,042 Bugboy
58 T-Man
+ 970 Superdog
2,583 Comics altogether

c. Bill collects 28 new comic books each year. How many new comic books will he have in three years? *Show or explain how you found your answer.*

28
× 3
84

2
28
28
+ 28
84

Effective Problem-Solving Strategies

Adaptable Processes

d. Bill reads five comic books each week. How many weeks will it take Bill to read 30 comic books? *Show or explain how you found your answer.*
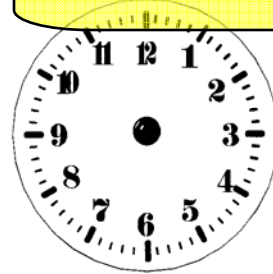
It will take 6 weeks to read 30

**Read problems 2, 3, 4, and 5 on this and the next two pages.
Select three problems to answer. Answer ALL of the parts of the three problems you select
to answer.
Cross out the one problem that you do not choose to answer.**

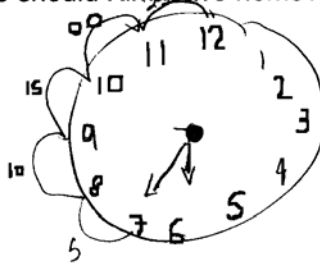**2.** Mrs. Green's fourth grade class went on a field trip to Boise.

Well-defined Structure

Field Trip Schedule

ACTIVITY	START TIME	FINISH TIME
Bus trip to Boise	7:00 AM	9:30 AM
Historical Museum	9:30 AM	10:30 AM
Old Penitentiary	10:45 AM	12:00 PM
Lunch in the park	12:10 PM	12:45 PM
Tour of the Capitol	1:00 PM	2:00 PM
Science Center	2:10 PM	3:20 PM
Bus trip back to school	3:30 PM	6:00 PM

a. Kim needs to be at school by 7:00 AM for the bus trip to Boise. It takes her 25 minutes to walk to school. What time should Kim leave home? *Show or explain how you found your answer.*
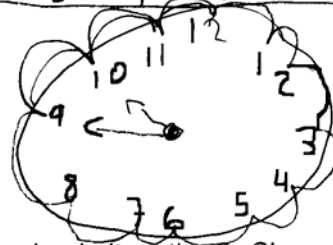
Effective Communication

~~She~~ Kim needs
to leave
at 6:35

b. How long did the class stay at the Old Penitentiary? *Show or explain how you found your answer.*

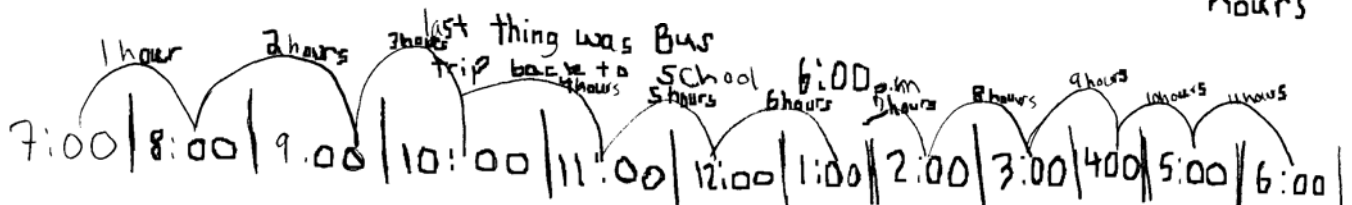|	Start time	end time
old penitentiary	10:45	12:00

Occasional Surface Error

They will
stay there
for 2:15
minutes

c. How long were the students away from the school altogether? *Show or explain how you found your answer.*

First thing was
Bus trip to Boise at 7:00 am
last thing was Bus
trip back to school 6:00 pm

The class was
away for 11
hours

7:00 | 8:00 | 9.00 | 10:00 | 11:00 | 12:00 | 1:00 | 2:00 | 3:00 | 4:00 | 5:00 | 6:00
1 hour 2 hours 3 hours 4 hours 5 hours 6 hours 7 hours 8 hours 9 hours 10 hours 11 hours

3. The students in Mr. Burns' class voted for their favorite types of vegetables. The student votes are listed below.

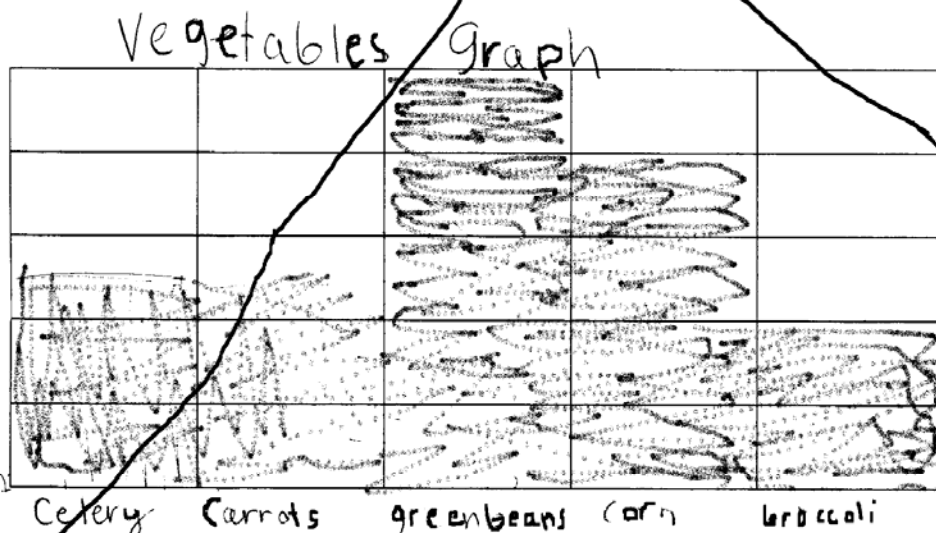| celery	green beans	carrots	green beans
carrots	corn	carrots	corn
green beans	celery	green beans	broccoli
green beans	green beans	celery	green beans
corn	carrots	corn	celery
celery	corn	corn	broccoli
green beans	broccoli	green beans	corn
corn	green beans	broccoli	carrots

a. How many students chose **each** type of vegetable? *Show or explain how you found your totals.*

Celery — N|I

carrots — LHI

green beans — LHI III LHI

corn — LHI III

broccoli — III|
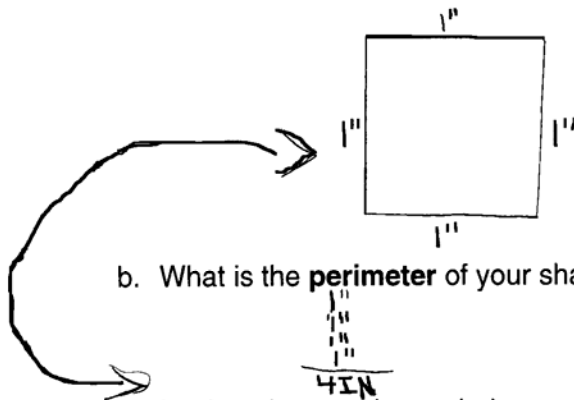
Student Crossed Out This Problem (It Is Not Considered In The Holistic Score)

b. Complete the graph below using the class information.

Vegetables Graph

Celery   Carrots   greenbeans   Corn   broccoli

c. Write two things you learned about the vegetable choices by looking at the graph.

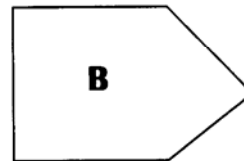**4.**   a. Draw a shape with four equal sides of about 1 inch and label the sides.
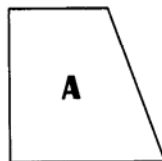
1"

1"   1"

Adequate Solution

1"

b. What is the **perimeter** of your shape? *Show or explain how you found your answers.*

1"
1"
1"
1"
4IN

c. Look at the two shapes below.

A   **B**

How are they **alike**?	How are they **different**?
The Both have a Point	A has 4 sides B has 5 sides

5.   Jill is six years older than her brother.
Her brother is three times older than their dog.
The dog is two years old.

Understanding Of Situation

a. How old is Jill's brother? *Show or explain how you found your answer.*

2
x 3

Jill brother is 6 years old

b. How old is Jill? *Show or explain how you found your answer.*

6
+ 6

Jill is 12 years old

c. Write a number sentence (equation) to show how old Jill will be in five years.

12
+ 5

Jill will be 17 in 5 years